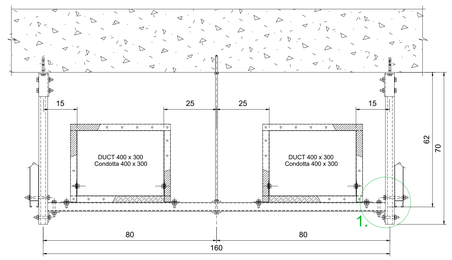
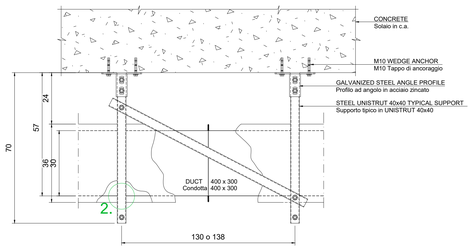
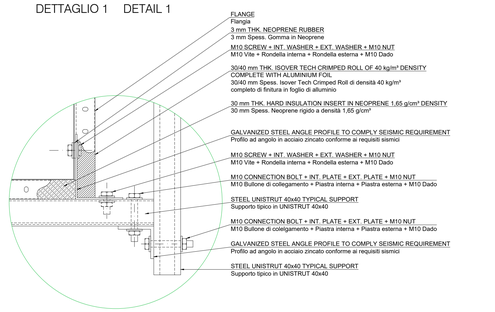
## SUPPORTO TIPO T2  SUPPORT TYPE T2

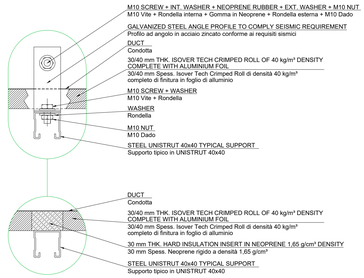


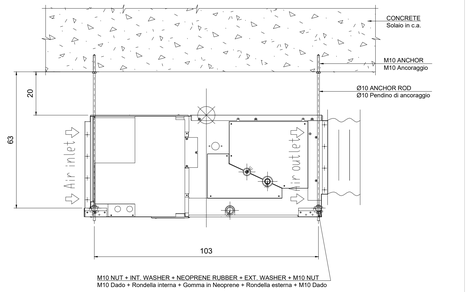

## DETTAGLIO 1  DETAIL 1


FLANGE
Flangia
3 mm THK. NEOPRENE RUBBER
3 mm Spess. Gomma in Neoprene
M10 SCREW + INT. WASHER + EXT. WASHER + M10 NUT
M10 Vite + Rondella interna + Rondella esterna + M10 Dado
30/40 mm THK. ISOVER TECH CRIMPED ROLL OF 40 kg/m³ DENSITY
COMPLETE WITH ALUMINIUM FOIL
30/40 mm Spess. Isover Tech Crimped Roll di densità 40 kg/m³
completo di finitura in foglio di allumino
30 mm THK. HARD INSULATION INSERT IN NEOPRENE 1,65 g/cm³ DENSITY
30 mm Spess. Neoprene rigido a densità 1,65 g/cm³
GALVANIZED STEEL ANGLE PROFILE TO COMPLY SEISMIC REQUIREMENT
Profilo ad angolo in acciaio zincato conforme ai requisiti sismici
M10 SCREW + INT. WASHER + EXT. WASHER + M10 NUT
M10 Vite + Rondella interna + Rondella esterna + M10 Dado
M10 CONNECTION BOLT + INT. PLATE + EXT. PLATE + M10 NUT
M10 Bullone di collegamento + Piastra interna + Piastra esterna + M10 Dado
STEEL UNISTRUT 40x40 TYPICAL SUPPORT
Supporto tipico in UNISTRUT 40x40
M10 CONNECTION BOLT + INT. PLATE + EXT. PLATE + M10 NUT
M10 Bullone di collegamento + Piastra interna + Piastra esterna + M10 Dado
GALVANIZED STEEL ANGLE PROFILE TO COMPLY SEISMIC REQUIREMENT
Profilo ad angolo in acciaio zincato conforme ai requisiti sismici
STEEL UNISTRUT 40x40 TYPICAL SUPPORT
Supporto tipico in UNISTRUT 40x40

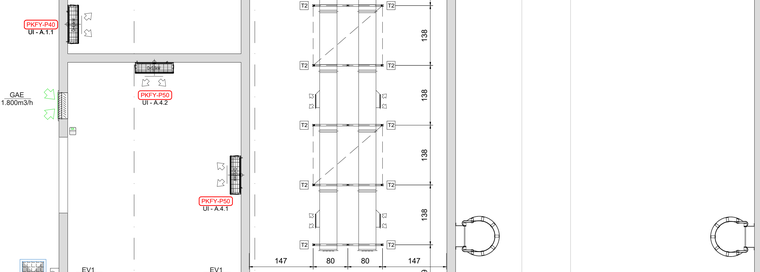
## DETTAGLIO 2  DETAIL 2


M10 SCREW + INT. WASHER + NEOPRENE RUBBER + EXT. WASHER + M10 NUT
M10 Vite + Rondella interna + Gomma in Neoprene + Rondella esterna + M10 Dado
GALVANIZED STEEL ANGLE PROFILE TO COMPLY SEISMIC REQUIREMENT
Profilo ad angolo in acciaio zincato conforme ai requisiti sismici
DUCT
Condotta
30/40 mm THK. ISOVER TECH CRIMPED ROLL OF 40 kg/m³ DENSITY
COMPLETE WITH ALUMINIUM FOIL
30/40 mm Spess. Isover Tech Crimped Roll di densità 40 kg/m³
completo di finitura in foglio di allumino
M10 SCREW + WASHER
M10 Vite + Rondella
WASHER
Rondella
M10 NUT
M10 Dado
STEEL UNISTRUT 40x40 TYPICAL SUPPORT
Supporto tipico in UNISTRUT 40x40
DUCT
Condotta
30/40 mm THK. ISOVER TECH CRIMPED ROLL OF 40 kg/m³ DENSITY
COMPLETE WITH ALUMINIUM FOIL
30/40 mm Spess. Isover Tech Crimped Roll di densità 40 kg/m³
completo di finitura in foglio di allumino
30 mm THK. HARD INSULATION INSERT IN NEOPRENE 1,65 g/cm³ DENSITY
30 mm Spess. Neoprene rigido a densità 1,65 g/cm³
STEEL UNISTRUT 40x40 TYPICAL SUPPORT
Supporto tipico in UNISTRUT 40x40

## SUPPORTO TIPO T0  SUPPORT TYPE T0



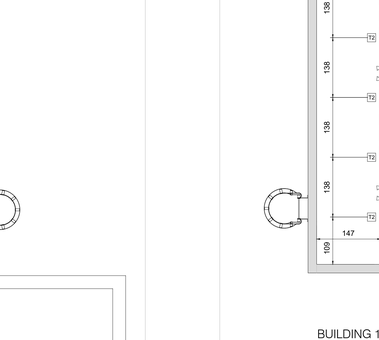

## SUPPORTO TIPO T1  SUPPORT TYPE T1







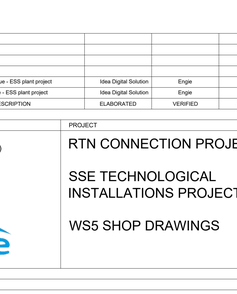
## SUPPORTO TIPO T3 VISTA LATERALE  SUPPORT TYPE T3 SIDE VIEW




## SUPPORTO TIPO T3 VISTA FRONTALE  SUPPORT TYPE T3 FRONT VIEW




## SUPPORTO TIPO T3 SCHEMA DI MONTAGGIO  SUPPORT TYPE T3 GENERAL ASSEMBLY

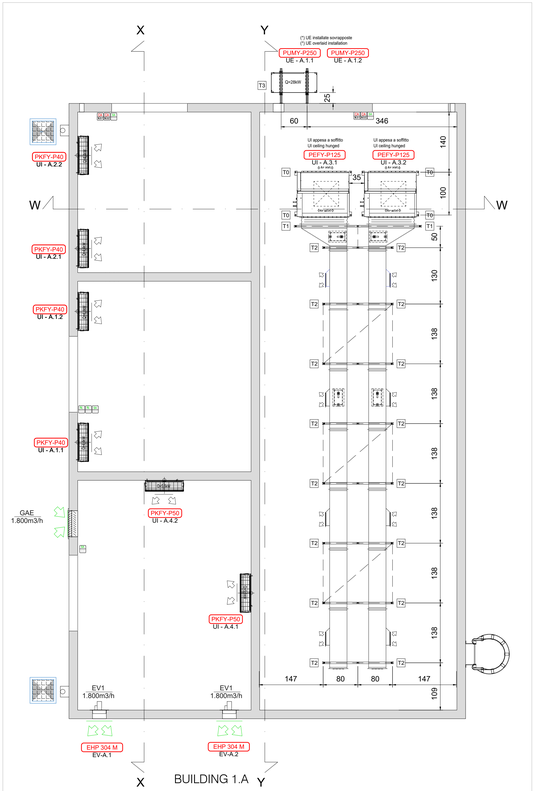


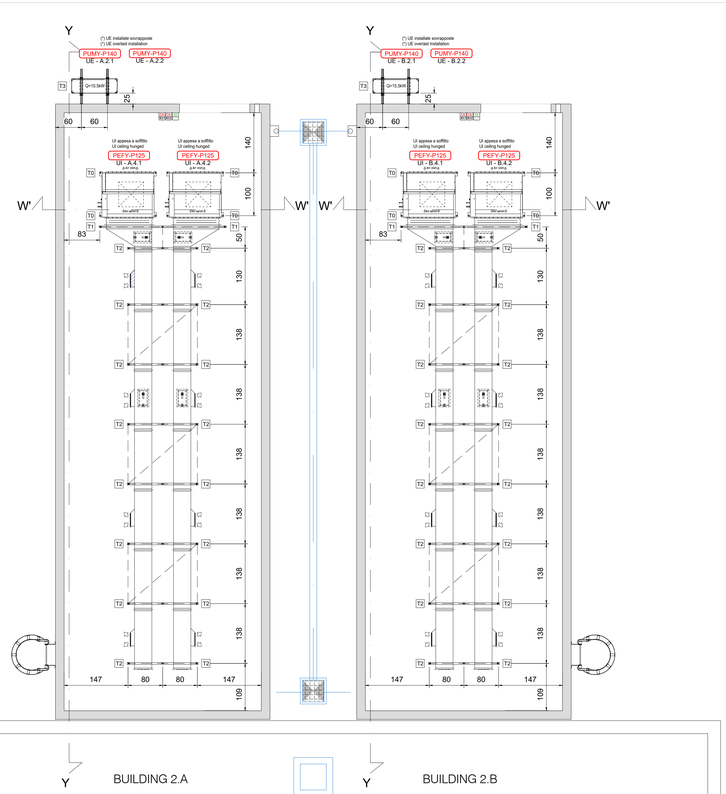
## LEGENDA

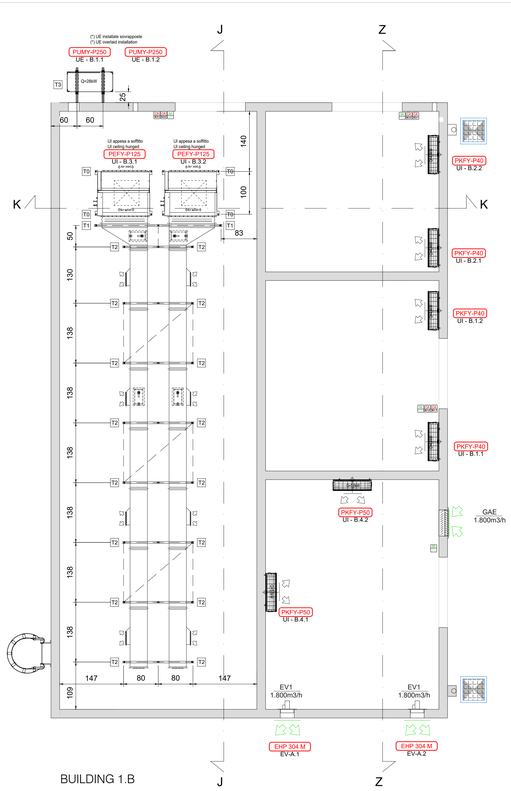
| | | |
|---|---|---|
| | CANALI MANDATA ARIA CLIMATIZZAZIONE | Air conditioning supply ducts |
| | TUBAZIONI IN RAME ISOLATO LIQUIDO E GAS FREON in CANALINA tecnoflab fissata a parete/soffitto | Freon liquid and gas pipeline isulated in TRAY anchored on the wall/ceiling |
| | TUBAZIONI IN PE INSTALLAZIONE A VISTA RACCOLTA CONDENSA | PE piping visible installation for condensate drainage |
| | TUBAZIONI IN PE INSTALLAZIONE SOTTO TERRA RACCOLTA CONDENSA | PE piping underground installation for condensate drainage |
| | MONTANTE IN ACCIAIO ZINCATO RACCOLTA CONDENSA | Galvanized steel column for condensate drainage |
| | BOCCHETTE DI MANDATA INSTALLAZIONE A CANALE<br>Completa di serranda di regolazione<br>- Mr. 2 – 300 m3/h, dimensioni 300x100mm | Supply air grid installation on duct<br>With regulation damper<br>- Mr. 2 – 300 m3/h, dimension 300x100mm |
| | BOTOLA D'ISPEZIONE<br>Completa di maniglia<br>- A.D.1, dimensioni 330x185mm | INSPECTION DOOR<br>Handle included<br>- A.D.1, dimensioni 330x185mm |
| GAE 1.800m3/h | GRIGLIA DI PRESA ARIA ESTERNA IN ACCIAIO<br>Completa di serranda di sovrapressione e filtro antipolline<br>- Q = 1.800 m3/h, dimensioni 600x600mm | STEEL EXTERNAL AIR GRID<br>with overpressure damper and pollen filter<br>- Q = 1.800 m3/h, dimension 600x600mm |
| EHP 304 M<br>EV-A.2 | VENTILATORE ELICOIDALE PER ESTRAZIONE ARIA, diam. 250mm<br>Installazione a parete con controllo velocità<br>- Q = 1.800 m3/h, H = 36 Pa, Pr = 125 W | Helicoidal fan for air extraction, diam. 250mm<br>In wall installation with speed control<br>- Q = 1.800 m3/h, H = 36 Pa, Pr = 125 W |
| PUMY-P140<br>UE - A.B.2.2 | UNITA' ESTERNA MOTOCONDENSANTE tipo PUMY-P140YKM5<br>Pf = 13,5 kW, Pr = 12,3 kW, Pa = 3,17 kW<br>dimensioni HxWxD 1338x1050x330 mm | Outdoor condensing unit, type PUMY-P140YKM5<br>Pf = 13,5 kW, Pr = 12,3 kW, Pa = 3,17 kW<br>dimensions HxWxD 1338x1050x330 mm |
| PUMY-P250<br>UE - A.B.1.2 | UNITA' ESTERNA MOTOCONDENSANTE tipo PUMY-P250YKM3<br>Pf = 28,0 kW, Pr = 13,56 kW, Pa = 8,21 kW<br>dimensioni HxWxD 1563x1050x460 mm | Outdoor condensing unit, type PUMY-P250YKM3<br>Pf = 28,0 kW, Pr = 13,56 kW, Pa = 8,21 kW<br>dimensions HxWxD 1563x1050x460 mm |
| PEFY-P125<br>UI - A.B.n.n | UNITA' INTERNA CANALIZZABILE tipo PEFY-P125VMHS-E<br>Pf = 13,7 kW, Pr = 8,6 kW, Pa = 229 W<br>dimensioni HxWxD 300x1150x800 mm, with condensate pump | Ductable indoor unit, type PEFY-P125VMHS-E<br>Pf = 13,7 kW, Pr = 8,6 kW, Pa = 229 W<br>dimensions HxWxD 300x1150x800 mm, with condensate pump |
| PKFY-P40<br>UI - A.B.n.n | UNITA' INTERNA A PARETE tipo PKFY-P40VLM-E<br>Pf = 4,4 kW, Pr = 4,12 kW, Pa = 50 W<br>dimensioni HxWxD 290x998x237 mm | Wall-mounted indoor unit, type PKFY-P40VLM-E<br>Pf = 4,4 kW, Pr = 4,12 kW, Pa = 50 W<br>dimensions HxWxD 290x998x237 mm |
| PKFY-P63<br>UI - A.B.n.n | UNITA' INTERNA A PARETE tipo PKFY-P63VLM-E<br>Pf = 5,6 kW, Pr = 5,32 kW, Pa = 50 W<br>dimensioni HxWxD 290x998x237 mm | Wall-mounted indoor unit, type PKFY-P63VLM-E<br>Pf = 5,6 kW, Pr = 5,32 kW, Pa = 50 W<br>dimensions HxWxD 290x998x237 mm |
| | REGOLATORE AMBIENTE UNITA' INTERNA | Room controller |
| | SONDA DI MONITORAGGIO TEMPERATURA E UMIDITA' | Monitoring probe for temperature and humidity |

NOTE:
1) IL DIMENSIONAMENTO DELLE LINEE FREON E' A CARICO DEL FORNITORE DEL SISTEMA VRV
1) SIZING OF FREON LINES IS THE RESPONSIBILITY THE VRV SYSTEM SUPPLIER

RIFERIMENTI:
EQUIPMENT E CONDOTTE VEDERE I DOC MEC-PL-215-1 E MEC-PL-215-2
LINEE FREON VEDERE I DOC MEC-PL-215-3 E MEC-PL-215-4
LINEE DI RACCOLTA CONDENSE VEDERE I DOC MEC-PL-215-5 E MEC-PL-215-6
SUPPORTI VEDERE I DOC MEC-PL-215-7 E MEC-PL-215-8
DETTAGLI VEDERE I DOC MEC-PL-215-9
EQUIPMENT AND DUCT SEE DOC. MEC-PL-215-1 E MEC-PL-215-2
REFRIGERANT PIPES SEE DOC. MEC-PL-215-3 E MEC-PL-215-4
DRAWING PIPES SEE DOC. MEC-PL-215-5 E MEC-PL-215-6
SUPPORTS SEE DOC. MEC-PL-215-7 E MEC-PL-215-8
DETAILS SEE DOC. MEC-PL-215-9




PLANIMETRIA SUPPORTI CONDOTTE E MACCHINE HVAC - LATO A - SCALA 1: 50

HVAC DUCT AND ITEMS SUPPORTS LAYOUT - SIDE A - SCALE 1: 50

PLANIMETRIA SUPPORTI CONDOTTE E MACCHINE HVAC - LATO B - SCALA 1: 50

HVAC DUCT AND ITEMS SUPPORTS LAYOUT - SIDE B - SCALE 1: 50

| REVISION | N. | DATE | DESCRIPTION | ELABORATED | VERIFIED | APPROVED |
|---|---|---|---|---|---|---|
| | 01 | 19/08/2024 | Second issue - ESS plant project | Idea Digital Solution | Engie | Engie |
| | 00 | 15/07/2024 | First issue - ESS plant project | Idea Digital Solution | Engie | Engie |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PROJECT

# RTN CONNECTION PROJECT

## SSE TECHNOLOGICAL INSTALLATIONS PROJECT

## WS5 SHOP DRAWINGS

CLIENT

| CODE | DRAW |
|---|---|
| MEC-PL-215_7 | HVAC SUPPORTS LAYOUT - Plan view |
| DATE: August 2024 | SCALE: |
| LOCATION: METROPOLITAN CITY OF MILAN MUNICIPALITY OF NOVIGLIO | |

| PROJECT LEVEL | DRAWING CODING |
|---|---|
| WS5 SHOP DRAWINGS | MEC-PL-215_7 - HVAC Supports Layout - Plan view |


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